COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I	hereby declare that:
My residence, post office add	fress and citizenship are as stated below part to my name, and t
versy developed that I am the original, to	ITST 200 Sole inventor it only one name is listed below, or an
 Onginal, first and joint inventor if nlim 	Al invention are named below, of the autient matter which is
claimed and for which a patent is so	ught on the invention entitled: USING PSFLIDO.PINS IN
GENERATING SCAN TEST VECTO	PRS FOR TESTING AN EMPEDDED CORE WHILE
MAIN I AINING THE IP CONTAINED	THEREIN, which:
(a) X is attac	hed hereto.
(b) was file	ed on as Serial No
(c) was de	scribed and claimed in PCT International Application No.
filed on	and as amended under PCT Article 19
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I have reviewed and underete	and the members of the above identified specification, fractioning the
CHAIRTS AS AMENDED BY ANY AMENDMA	201 SDBCttcally referred to in the neth or declaration:
My abhacann ist bateut et in	contor a confidence, our lists transmit as insertuning must not not the AP AU AL.
nagai representatives of assigns in ar	W COUNTY foreign to the United States of America:
acknowledge the duty to dis	close information which is material to the notactability of this
application in accordance with Title 3	7. Code of Federal Regulations Section 1.56/e)
I nereby claim that benefit un	der Title 35. United States Code Section 120 of any Ligitori States
applications assed below and, insofar	88 the subject matter of each of the claims of this annication is
not disclosed in the prior United State	36 Annication in the manner provided by the first name and of
TIDE 35, United States Code, Section	112 acknowledge the disty to disclose material information as
UGINING BI THE ST, LEARS OF PERSON I	(2 014)61(670)
mare or rue butor abblication and the L	lational of PCT international filing date of this application:
Sorial No.	#11 - B
Serial No.	, no best ,
As a named inventor, I hereby	appoint the following attorneys to proceed to this application and
As a named inventor, I hereby transact all business in the Patent an	appoint the following attorneys to prosecute this application and discrete therewith:
As a named inventor, I hereby transact all business in the Patent an Practitioners at Cu:	appoint the following attorneys to prosecute this application and disconnected therewith: atomer Number: 23494
As a named inventor, I hereby transact all business in the Patent an Practitioners at Cus Send correspondence and directions.	appoint the following attorneys to prosecute this application and disconnected therewith: atomer Number: 23494 set telephone calls to:
As a named inventor, I hereby transact all business in the Patent an Practitioners at Cus Send correspondence and dir W. Daniel Swayze, Jr.	appoint the following attorneys to prosecute this application and discrete the rewith: atomer Number: 23494 act telephone calls to:
As a named inventor, I hereby transact all business in the Patent an Practitioners at Cur Send correspondence and dir W. Daniel Swayze, Jr. Texas Instruments Inc	appoint the following attorneys to prosecute this application and disconnected therewith: atomer Number: 23494 act telephone calls to: orporated
As a named inventor, I hereby transact all business in the Patent an Practitioners at Cus Send correspondence and dir W. Daniel Swayze, Jr. Texas Instruments Inc. PO Box 655474, M/S 3	appoint the following attorneys to prosecute this application and disconnected therewith: atomer Number: 23494 act telephone calls to: orporated
As a named inventor, I hereby transact all business in the Patent an Practitioners at Cur Send correspondence and dir W. Daniel Swayze, Jr. Texas Instruments Inc. PO Box 655474, M/S 3 Dallas, Texas 75265	appoint the following attorneys to prosecute this application and discrete the rewith: atomer Number: 23494 act telephone calls to: orporated 1999
As a named inventor, I hereby transact all business in the Patent an Practitioners at Cur Send correspondence and dir W. Danial Swayze, Jr. Texas Instruments Inc. PO Box 655474, M/S 3 Dallas, Texas 75265 (972) 917-5633	appoint the following attorneys to prosecute this application and discrete the application and discrete
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As a named inventor, I hereby transact all business in the Patent an Practitioners at Cur Send correspondence and dir W. Danial Swayze, Jr. Texas Instruments Inc. PO Box 655474, M/S 3 Dalias, Texas 75265 (972) 917-5633 Statements made on information and were made with the knowledge that w or imprisonment, or both under Sectionstatements may jeopardize the validity Name of Inventor:	y appoint the following attorneys to prosecute this application and d Trademark Office connected therewith: atomer Number: 23494 act telephone calls to: orporated 3999 belief are believed to be true; and further that these statements illful false statements and the like so made are punishable by fine in 1001 of Title 18 of the United States Code, and that such willful y of the application or any patent lesuing thereon. Srinivasa Chakravarthy #138, 16th Mein, Banashankari I Stage, If Block.
As a named inventor, I hereby transact all business in the Patent an Practitioners at Cur Send correspondence and dir W. Danial Swayze, Jr. Texas Instruments Inc. PO Box 655474, M/S 3 Dalias, Texas 75265 (972) 917-5633 Statements made on information and were made with the knowledge that w or imprisonment, or both under Sectic statements may jeopardize the validity. Name of Inventor: Residence and Post Office Address:	y appoint the following attorneys to prosecute this application and d Trademark Office connected therewith: atomer Number: 23494 act telephone calls to: orporated 1999 belief are believed to be true; and further that these statements fillful false statements and the like so made are punishable by fine in 1001 of Title 18 of the United States Code, and that such willful y of the application or any patent Issuing thereon. Srinivasa Chakravarthy #138, 16th Main, Banashankari I Stage, II Block, Bangalore 560 050 India
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BEST AVAILABLE COPY

Name of Inventor: Residence and Post Office Address:	Rubin A. Parekhji B1-402 Rifco Aruna Apartments, 59 HAL k Bangalore, 560 017 India	Konea Agrahara
Country of Citizenship:	India	
Inv ntor's signature:		Date:
Name of Inventor:	Julio C. Hemandez	
Residence and Post Office Address:	19 Plushstone	
	Rancho Santa Margarita, California 92688	USA
Country of Citizenship:	USA	
Inventor's signature:		Date:
Name of Inventor:	Kenneth M. Butler	
Residence and Post Office Address:	4700 Winter Park Drive	
	Richardson, Texas 75082-3849 USA	
Country of Citizenship:	USA	
Inventor's signature:	<u></u>	Date:

Docket No. TI-29660

Date:

COMBINED DECLARATION AND POWER OF ATTORNEY As a below named inventor, I h reby declare that: My residence, post office address and citizenship are as stated below next to my name, and I verily believe that I am the original, first and sole inventor if only one name is listed below, or an original, first and joint inventor if plural inventors are named below, of the subject matter which is claimed and for which a patent is sought on the invention entitled: USING PSEUDO-PINS IN GENERATING SCAN TEST VECTORS FOR TESTING AN EMBEDDED CORE WHILE MAINTAINING THE IP CONTAINED THEREIN, which: is attached hereto. (a) was filed on _____ as Serial No. (b) was described and claimed in PCT International Application No. (c) and as amended under PCT Article 19 (if any). I have reviewed and understand the contents of the above identified specification, including the claims as amended by any amendment specifically referred to in the oath or declaration; No application for patent or inventor's certificate on this invention has been filed by me or by my legal representatives or assigns in any country foreign to the United States of America; I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations Section 1.56(a); I hereby claim that benefit under Title 35, United States Code Section 120 of any United States applications listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application: , filed on Serial No. As a named inventor, I hereby appoint the following attorneys to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Practitioners at Customer Number: 23494 Send correspondence and direct telephone calls to: W. Daniel Swayze, Jr. Texas Instruments Incorporated PO Box 655474, M/S 3999 Dallas, Texas 75265 (972) 917-5633 I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States Code, and that such willful statements may jeopardize the validity of the application or any patent issuing thereon. Srinivasa Chakravarthy Name of Inventor. #138, 16th Main, Banashankari I Stage, Il Block, Residence and Post Office Address: Bangalore 560 050 India Country of Citizenship: India

Page 1 of 2

Inventor's signature:

Rubin A. Parekhji		
E1-402 Ribo Aruna Apartments, 59 HAL Konea Agrahara		
Sangacre 560 017 India	_	
Praully.		Fin/
	DOE HINCOU	-OJ
Julio C. Hernandez 15 Plushatone		
Rancho Senta Manyanta, California 92	588 USA	
USA		
	Date:	
Kenneth M. Butler		
47.33 Winter Park Drive		
Richardson, Texas 75082-3849 USA USA		
	Date:	

Page 2 of 2

Docket No. TI-29660

COMBINED DECLARATION AND POWER OF ATTORNEY

As a halou manual inventor 1 be	arohy dociona that
As a below named inventor, I have	
My residence, post office addre	as and citizenship are as stated below next to my name, and I
verily believe that I am the original, tirst	and sole inventor if only one name is listed below, or an original,
first and joint inventor if plural inventors	are named below, of the subject matter which is claimed and
for which a patent is sought on the inve	ention entitled: USING PSEUDO-PINS IN GENERATING SCAN
TEST VECTORS FOR TESTING AN E	MBEDDED CORE WHILE MAINTAINING THE IP CONTAINED
THEREIN, which:	
(a) X is attache	nd hereto.
(h) was filed	on as Serial No
	cribed and claimed in PCT International Application No.
(c) was desc	and as amended under DCT Article 19
med on	and as amended under PCT Article 19
on (if any).	and the second s
have reviewed and understan	d the contents of the above identified specification, including the
claims as amended by any amendmen	nt specifically referred to in the oath or declaration;
No application for patent or inve	entor's certificate on this invention has been filed by me or by my
	country foreign to the United States of America;
	ose information which is material to the patentability of this
confication in conscious with Title 37	Code of Federal Regulations Section 1.56(a);
application in accordance with the 57,	- Tillo 25 I letted Circles Code Section 120 of any I inited States
i nereby daim that benefit unde	er Title 35, United States Code Section 120 of any United States
applications listed below and, insorar a	s the subject matter of each of the claims of this application is
not disclosed in the prior United States	application in the manner provided by the first paragraph of
Title 35, United States Code, Section 1	12, I acknowledge the duty to disclose material information as
defined in Title 37, Code of Federal Re	gulations, Section 1.56(a) which occurred between the filing date
of the prior application and the national	or PCT international filing date of this application:
As a named importor 1 harshy	appoint the following attorneys to prosecute this application and
As a Harrison Rivernot, I hereby	Trademark Office connected therewith:
	tomer Number: 23494
Send correspondence and dire	ect telephone calls to:
W. Daniel Swayze, Jr.	
Texas instruments inco	rporated
PO Box 655474, M/S 3	·
Dallas, Texas 75265	
(972) 917-5633	
	and and a basis of my manipale and an end that all
I Turner deciare that all statem	ents made herein of my own knowledge are true and that all
statements made on information and I	belief are believed to be true; and further that these statements
were made with the knowledge that wi	Iful false statements and the like so made are punishable by fine
or imprisonment, or both under Section	n 1001 of Title 18 of the United States Code, and that such willful
statements may icopardize the validity	of the application or any patent issuing thereon.
Name of Inventor:	Srinivasa Chakravarthy
	#138, 16th Main, Banashankari I Stage, Il Block,
Residence and Post Office Address:	
	Bangalore 560 050 India
Country of Citizenship:	India
Inventor's signature:	Date:

Pag 1 of 2

Name of Inventor: Residence and Post Office Address:	Rubin A. Parekhil B1-402 Rifco Aruna Apartments, 59 HAL Konea Agrahara Bangalore, 560 017 India	
Country of Citizenship:	India	
Inventor's signature:		Date:
Name of Inventor:	Julio C. Hernandez	
Residence and Post Office Address:	19 Plushstone Rancho Santa Margarita, California 92688	USA
Country of Citizenship:	USA	
Inventor's signature:	Julio C. Amenday	Date: 5-2-0
Name of Inventor:	Kenneth M. Butler	
Residence and Post Office Address:	4700 Winter Park Drive	
	Richardson, Texas 75082-3849 USA	
Country of Citizenship:	ASU	
Inventor's signature:		Date:

Docket No. TI-29660

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I have	ereby declare that:
My residence, post office addre	ss and citizenship are as stated below next to my name, and I
verily believe that I am the original, first	t and sole inventor if only one name is listed below, or an original,
first and joint inventor if plural inventors	s are named below, of the subject matter which is claimed and
	ention entitled: USING PSEUDO-PINS IN GENERATING SCAN
	MBEDDED CORE WHILE MAINTAINING THE IP CONTAINED
THEREIN, which:	
(a) X is attache	ad hereto
(b) was filed	on se Serial No
(a) was door	on as Serial No cribed and claimed in PCT international Application No.
(c) was desc	Albed and Gainled in PC1 International Application No.
med on	and as amended under PCT Article 19
on (if any).	and a man a things to the second of the seco
	d the contents of the above identified specification, including the
	nt specifically referred to in the oath or declaration;
	entor's certificate on this invention has been filed by me or by my
	country foreign to the United States of America;
i acknowledge the duty to disci	ose information which is material to the patentability of this
application in accordance with Title 37,	, Code of Federal Regulations Section 1.56(a);
I hereby claim that benefit unde	er Title 35, United States Code Section 120 of any United States
	is the subject matter of each of the claims of this application is
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	or PCT international filing date of this application:
Serial No.	appoint the following attorneys to prosecute this application and
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Practitioners at Cus	
Send correspondence and dire	ect telephone calls to:
W. Daniel Swayze, Jr.	
Texas Instruments Inco	rporated
PO Box 655474, M/S 3	9 99
Dallas, Texas 75265	
(972) 917-5833	
• •	ents made herein of my own knowledge are true and that all
	belief are believed to be true; and further that these statements
	liful false statements and the like so made are punishable by fine
as imprise amost as both under Contin	n 1001 of Title 18 of the United States Code, and that such willful
statements may jeopardize the vasidity	of the application or any patent issuing thereon.
Name of Inventor	Crist and Chalmanathy
Name of Inventor.	Srinivasa Chakravarthy
Residence and Post Office Address:	
	Bangalore 560 050 India
Country of Citizenship:	India
inventor's signature:	Date:
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Page 1 of 2

Name of Inventor: Residence and Post Office Address:	B1-402 Rifco Aruna Apartments, 59 HAL Konea Agrahara Bangalore, 560 017 India
Country of Citizenship:	India
Inventor's signature:	Date:
Name of Inventor: Residence and Post Office Address:	Julio C. Hemandez 19 Plushstone Rancho Santa Margarita, California 92688 USA
Country of Citizenship:	USA
Inventor's signature:	Date:
Name of Inventor: Residence and Post Office Address:	
Country of Citizenship:	Richardson, Texas 75082-3849 USA USA
Inventor's signature:	Date: APRIL 30, 200